Thursday, May 15, 2014 4:05:11 PM

Item ID: Revision ID: Item Name:	D3560-3 Arm			Accept	*N900	040	100) * ፡	Setup	Start Stop	ÇIV.	S1* S2*
Start Date: Required Date:	5/15/14 5/15/14	Start Qty: 10. Req'd Qty: 10.			Cust Item l Customer:	ID:						
Reference:							_	_		0 4 4		
Approvals:	Process Pla	in: MLJ	Date: 1405-21	Tooling:	D:	ate:		ŀ	Run	Start	~1/1	R1*
i	QC:	· 	Date:	SPC (Y/N):	D	ate:				Stop	*N	R2*
Sequence ID/ Work Center II	D	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reje Qty		Reject Number	Insp. Stamp
Draw Nbr	Rev	ision Nbr							j			
D3560	Rev	D						. ,				
*100 *100*		BAND SAW		0.00				10	9	√	DAS 37 9-89	14.05.28
Bandsaw Jeaspa Bandsaw		Memo	inks 15.500" long	0.00					,			
)		Cut ola	inks 13.300 long									
110				0.00								
110 HAAS 1		**,	ICAL MACHINING #1	0.00				DAS 02 (C 9-89	T_	14	-05	.70 (4
HAAS CNC vertica	Il machine #1	2-C'sin	as per Folio FA695 Rev: AN k 0.196" hole on manual mill as ırr per dwg D3560	& Dwg D3560 Rev:				9-89		٠		**
		*									-	
120		QC2- Inspect parts	off machine FAI/FAIB	0.00				D40 -			(
120 QC . Quality Control	ı	Memo	•	0.00				02 9-89	=T	<u>. </u>	1 <u>4 - 0</u>	· -30

DQA:			Date:											
						WORK ORDER NON	-CC	ONFO	RMANCE / UPDA	NTE		_		AEROSPACE
QA Closed:			Date:							Wo	ork Order up	date only		
Work Orde	`r.		-			DISPOSITION			A	AGAINST DEI	PARTMENT	PROCESS		
VVOIK OIGE	-				- 1	Rework	1		Skid-tube Cr	rosstube		Water Jet		Engineering
Part N	10					Scrap			—	mall Fab	Pro	d. Eng. Coor.	_	Quality
l uiti	•••					Use-as-is			~ 	Finishing		e/Packaging		Other
NCR N	lo.					Suspected Unapproved		*******	~ 	mposite	· · · · · · · · · · · · · · · · · · ·	Supplier		
	-	,			_	· · · ·	1		, L	· <u></u>				
Root					Desci	ription of work order update	Ī	nitial	Action		Sign &			
Cause		Date	Step	Qty		or non-conformance	Ch	ief Eng	Descriptio	n	Date	Verification	า	QC Inspector
Design														
Doc/Data			1											
Equip/Tooling														
Handling/Pre														
Material													-	
Operator	\Box	50 t												
Offset/Setup	Ш													
Process	Ш		:											
Supplier	Ш													
Training	\Box													
Transport	Н						Ì							
Unapproved			L		: C				TECORY					
	· .						FA	ULI CA	TEGORY	<u> </u>				
Landi						General Bend		احمانه (د	Program		Outside Dim	oncions	\neg	Pressure/Forced
	Н	Bending Centre No	ot Concon	tric	\vdash	BOM/Route	-	Grain	riograffi		Over/Under	ŀ	$\overline{}$	Set-up
	Н	Cracks	or concer	ILIIC	.	Broken/Damage/Defect		Hardwa	ara		Part Incorred		-	Temperature/Cure
	-	Crimp/Kir	nk/Rinnle	/Mave		Burrs	H	4	ion Incomplete/Unqual	lified	Part Lost/Mi	•	\neg	Weld
	_	Cuffs	ik) hippic,	, wave		Contamination	H	4 '	tions Incomplete/Uncle		Part Moved	336		Wrong Stock Pulled
	-	Crushing	•		200	Countersink	\vdash	4	gned/off center	 	Positioned W	ા Vrong		
		Heat Trea		•		Cut Too Short		Mislabe		<u> </u>	Power Loss/S			Other
		Inspection		Tube	 	Drawing		Misread			43	- (
		Marks/Ch	•			Drill Holes		Off-set						
		Turning S				Finish		Out of 0	Calibration					
		Wave/Tw	ist in Tub	e		Fit/Function		Out of S	Sequence					

119433

Page 2

Thursday, May 15, 2014 4:05:12 PM Item ID: D3560-3 Accept *N900040100* Setup Start **Revision ID:** Stop **Item Name:** Arm *10* **Start Qty: 10.00** Start Date: 5/15/14 **Cust Item ID:** Required Date: 5/15/14 Req'd Oty: 10.00 *10* **Customer:** Reference: Run Start Process Plan: Tooling: Date: Date: Approvals: Stop Date: SPC (Y/N): Date: Operation Set Up/ **Tool ID** Tool # Plan Sequence ID/ Accept Reject Reject Insp. Number Stamp **Work Center ID Description** Code **Qty Qty Run Hours** 0.00 QC8- Inspect parts - second check 130 A.A 4/05/31 0 *130* 0.00 Memo Quality Control 210 Identify as per dwg & Stock Location: 0.00 17/6/2 10 32 *210* Packaging Memo Packaging 220 QC21- Final Inspection - Work Order Release 0.00 MLJ 14-06-02 MLJ 14-06-02 *220* 0.00 Memo Quality Control

DQA:			Date: _											~DART
OA Classel			Data			WORK ORDER NON	-CC	ONFO	RMANCE / UF		/ork Order u	ndate only	_	AEROSPACE
QA Closed:		_	Date:	_		1					ork Order d	date only	<u>L</u>	
Work Orde	r:					DISPOSITION				AGAINST D	EPARTMENT	/PROCESS		
	•				_	Rework	1		Skid-tube	Crosstube	7	Water Jet		Engineering
Part N	lo.					Scrap			Machining	Small Fab	Pro	d. Eng. Coor.		Quality
	•					Use-as-is			noforming	Finishing	┥	re/Packaging		Other
NCR N	lo.					Suspected Unapproved			Large Fab	Composite	1	Supplier		
	•						•							
Root					Desc	ription of work order update	Ī	nitial	Acti	ion	Sign &			
Cause		Date	Step	Qty		or non-conformance	Ch	ief Eng	Descri	iption	Date	Verificatio	n	QC Inspector
Design														
Doc/Data			1											
Equip/Tooling														
Handling/Pre														
Material														
Operator														
Offset/Setup														
Process														
Supplier														
Training														
Transport	_													
Unapproved							<u> </u>				1	<u> </u>		1
·							FA	ULT CAT	TEGORY					•
Landir						General		1 /_		_			_	1
		Bending				Bend	<u> </u>	1 '	rogram	<u> </u>	Outside Dim			Pressure/Forced
			ot Concen	itric	<u> </u>	BOM/Route	-	Grain		-	Over/Under		⊢	Set-up
		Cracks		<i>.</i>	<u> </u>	Broken/Damage/Defect	\vdash	Hardwa			Part Incorre		┝	Temperature/Cure
		-	nk/Ripple,	/Wave	<u> </u>	Burrs	<u> </u>	4 '	ion Incomplete/Un	- -	Part Lost/M	issing	┝	Weld
		Cuffs			-	Contamination	-	4	ions Incomplete/U	nciear	Part Moved	Mrang	Щ	Wrong Stock Pulled
		Crushing			\vdash	Countersink Cut Too Short	-	Mislabe	ned/off center	<u> </u> -	Positioned V Power Loss/	-	Г	Other -
	-	Heat Trea		Tuba	\vdash	-	-	Misread		L.	Trower ross/	Juige	<u> </u>	Tottlei
		Inspectio Marks/Cl		rube	-	Drawing Drill Holes	\vdash	Off-set	ı					
		Turning S			\vdash	Finish	\vdash	4	Calibration					
		i .	vist in Tub	<u>م</u>	-	Fit/Function	\vdash	4	Sequence		-			
1	1	• • · · · · · · · · · · · · · · · · ·		_	ı	1,	1	10000						

Thursday, May 15, 2014 4:05:15 PM

Work Order ID: 119433

119433

Parent Item:

D3560-3

D3560-3

Parent Item Name: Arm

Start Date: 5/15/14

Required Date: 5/15/14

Start Qty: 10.00

Required Qty: 10.00

Comments:

IPP Rev:A New Issue 06-11-10 JLM use-043

13.06.03 PER DWG REV.F DD VERF:JLM

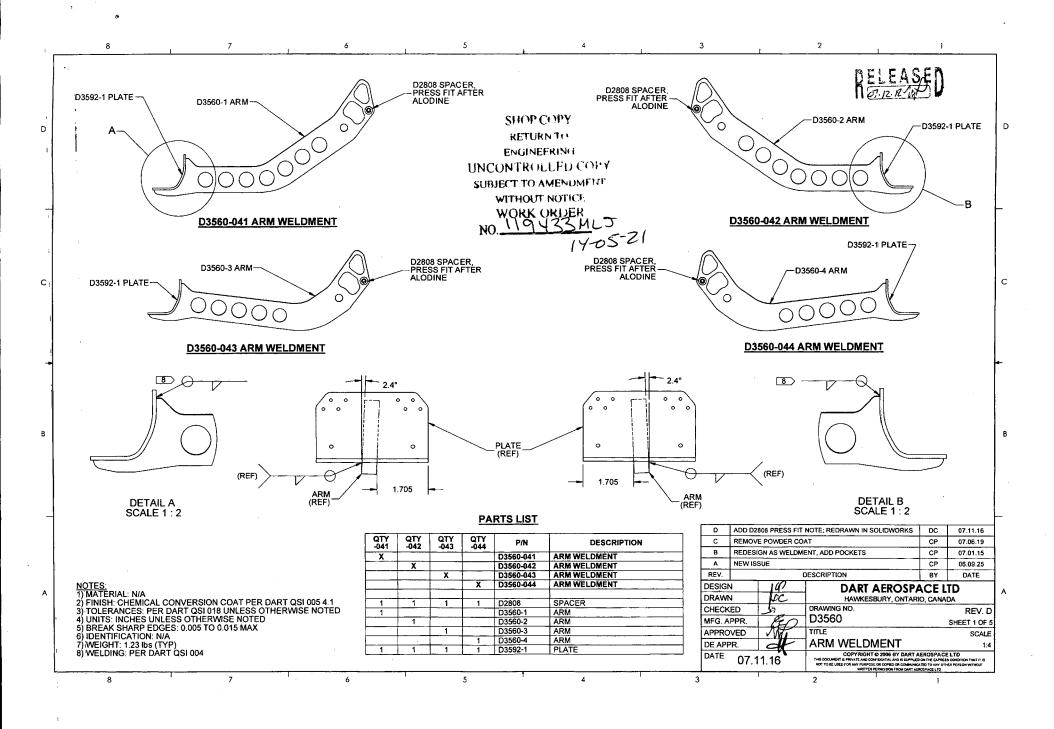
IPP REV:B

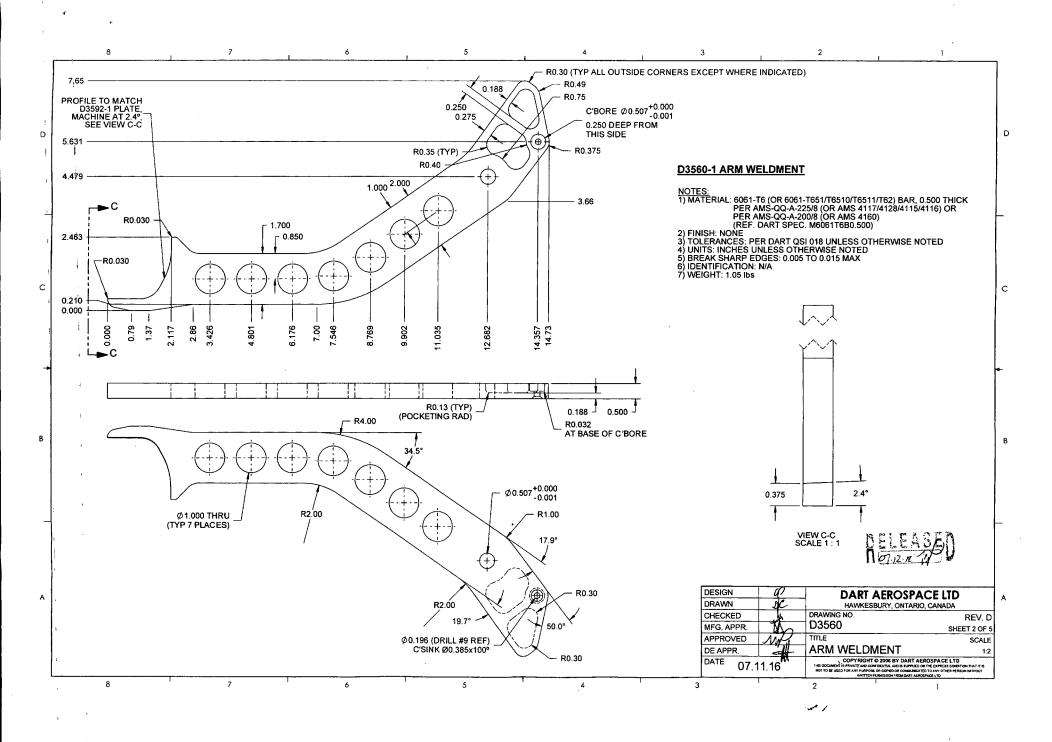
Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M6061T6B0.500X05.00	. "	Purchased	No				f	52.0000		14.63158		DAS	
*M6061T6	SB0 500	X 05 00	// *						**			37 9-89 / //	1.05.2B

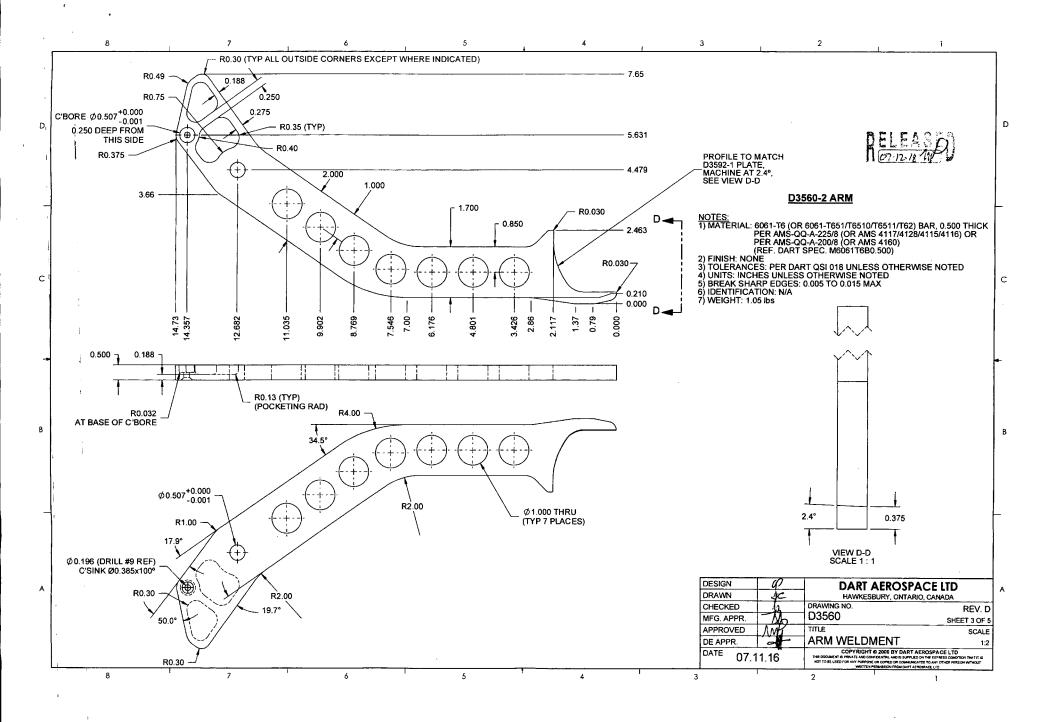
6061-T6 Bar .500 x 5.00

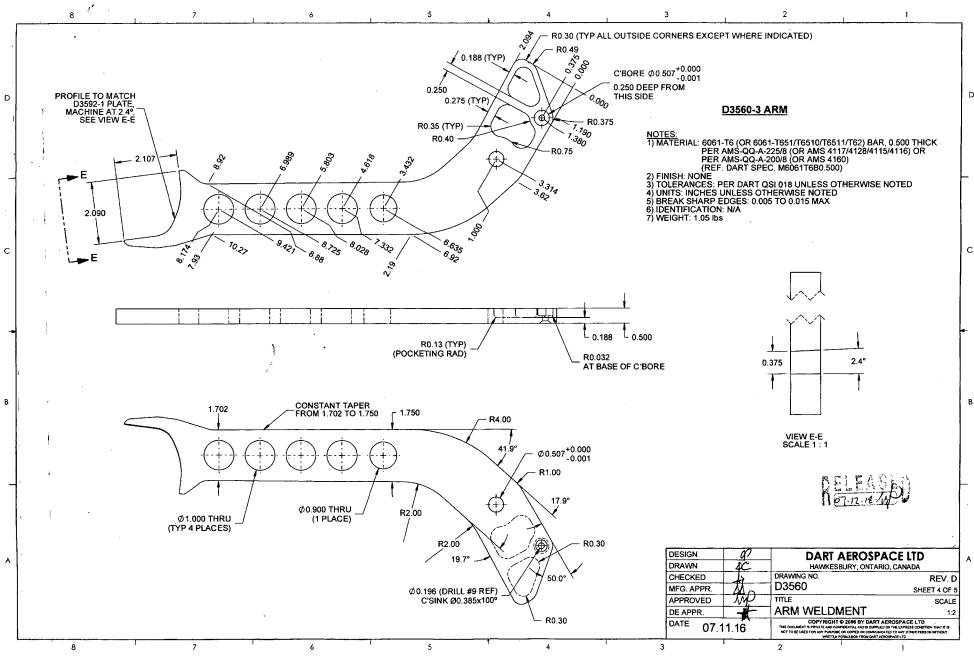
Location	Loc Qty	Loc Code	
MAT001	52		
125592	4		
m127323	48		12.916

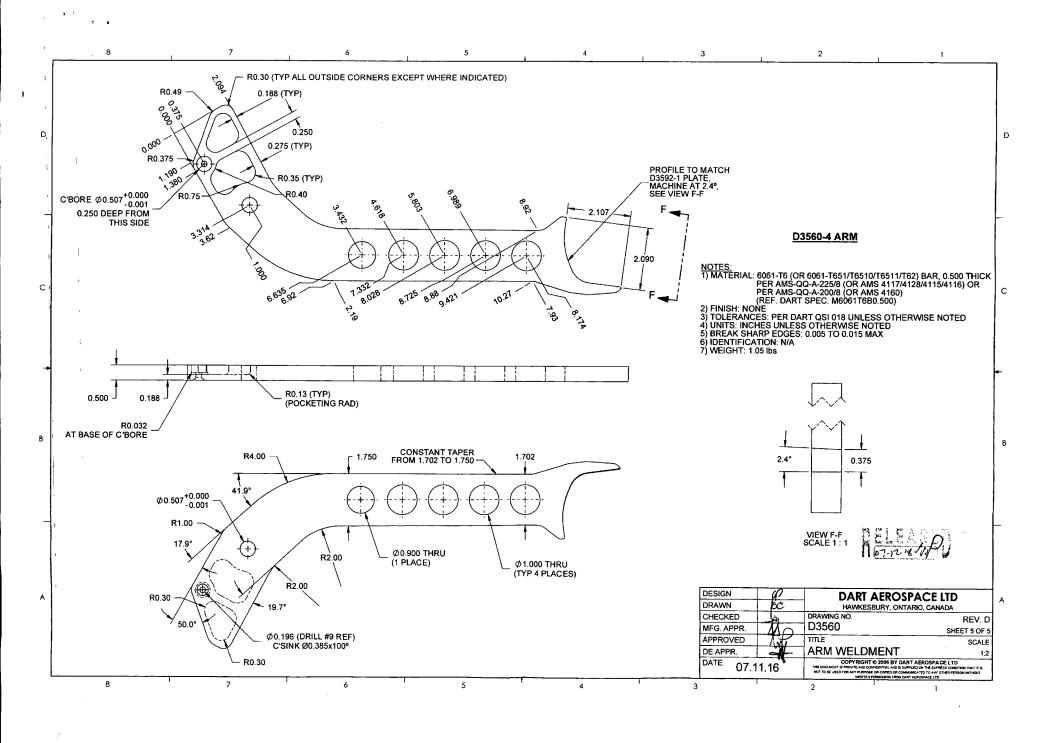
DQA:			Date:			•			_				TRAC [~]
						WORK ORDER NON	-C(ONFO	RMANCE / U				A E R O S P A C E
QA Closed:			Date:							<u></u>	Vork Order u	odate only	
Work Orde	r.					DISPOSITION				AGAINST D	EPARTMENT	/PROCESS	
Work Orde	' -					Rework	1		Skid-tube	Crosstube	_	Water Jet	Engineering
Part N	ο.					Scrap	1		Machining	Small Fab	Pro	d. Eng. Coor.	Quality
	_					Use-as-is	1		noforming	Finishing	─	re/Packaging	Other
NCR N	o.					Suspected Unapproved	1		Large Fab	Composite		Supplier	1 🔲
Root					Desc	ription of work order update		Initial	i	tion	Sign &		
Cause		Date	Step	Qty		or non-conformance	Ch	nief Eng	Descr	ription	Date	Verification	QC Inspector
Design													
Doc/Data	_	.											
Equip/Tooling	4				,							1	·
Handling/Pre	_												
Material	4						İ						
Operator	_												
Offset/Setup	\dashv						Ì						
Process	\dashv												
Supplier	\dashv												
Training Transport	╣												
Unapproved	\dashv												
опарриотеа	1_		<u> </u>				FA	ULT CA	TEGORY				· · · · · · · · · · · · · · · · · · ·
Landin	ng G	ear	• .			General							<u> </u>
Γ	\neg	Bending				Bend		Folio/F	Program	Γ	Outside Din	nensions	Pressure/Forced
	一,	Centre No	ot Concer	ntric		BOM/Route		Grain			Over/Under	tolerance	Set-up
	٦,	Cracks				Broken/Damage/Defect		Hardwa	are		Part Incorre	ci _	Temperature/Cure
	7	Crimp/Kir	nk/Ripple	/Wave		Burrs		Inspect	ion Incomplete/U	nqualified	Part Lost/M	issing	Weld
		Cuffs				Contamination		Instruc	tions Incomplete/I	Unclear	Part Moved	L	Wrong Stock Pulled
		Crushing				Countersink		Misali	gned/off center		Positioned \	_	_
		Heat Trea	it			Cut Too Short	L	Mislabe	eled	L	Power Loss,	/Surge	Other
		Inspection	n Strip in	Tube		Drawing		Misrea			 		
		Marks/Ch	atter			Drill Holes		Off-set			· · · · · ·		
	-	Turning S				Finish		-	Calibration				
		Wave/Tw	ist in Tub	e		Fit/Function		Out of	Sequence				











DART AEROSPACE LTD	Work Order:	119433
Description: Arm	Part Number:	D3560-3
Inspection Dwg: D3560 Rev: D		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

X First Article Prototype

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
	.0.000/.0.004				-	Pr al
Ø0.507	+0.000/-0.001	0.5064			mic	BT-01 IT-04
Ø0.196	+0.005/-0.001	0.199			ven	JT - 09
Ø1.000	+0.010/-0.001	1.005				
Ø0.900	+0.010/-0.001	0.90				
0.500	+/-0.010	0.498	/			
0.250	+/-0.010	0.247	·		depth sunc	PT-6
0.275	+/-0.010	0.272				
0.188	+/-0.010	0.189				
. 1.750	+/-0.010	1.750				
1.702	+/-0.010	1.703				
Ø0.385 x 100°	+/-0.010 x 0.5°	0.390	<u></u>			
0.250 Deep	+/-0.010	0.250				
	-					
			,			

Measured by: U 02	Audited by:	Ba	DAS 08	Prototype Approval:	N/A
Date: 14 - 05 - 893 0	Date:	14/05/31	9-89	Date:	N/A

Rev	Date	Change	Revised by	Approved
Α	07.01.17	New Issue	KJ/JLM	
В	07.06.13	Dimensions updated per Dwg Rev B	KJ/JLM 1/A	
С	08.09.09	2.000 dimension removed	KJ/DD O	77